**THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:**

1. A process for reducing sulphur gaseous emissions from a fluidized bed coke burner working in tandem with a fluidized bed coker reactor, wherein cold coke is circulated from the reactor to the burner, partly burned in the burner and hot coke is circulated from the burner to the reactor to provide heat to fluid coke oil fed to the reactor, comprising:

maintaining the temperature in the burner between about 550°C – 630°C; and

maintaining the coke circulation rate sufficient to meet the heat requirement of the reactor.

2. The process as set forth in claim 1 wherein:

the coke circulation rate was maintained between about 75 – 115 tons/minute.

3. The process as set forth in claim 1 wherein:

the temperature in the burner was maintained at about 630°C.

4. The process as set forth in claim 3 wherein:

the coke circulation rate was maintained at about 90 tons/minute.